

High Voltage Liquid-Cooled Batteries



Basic Properties	PBQ20-416-1C	PBQ20-416-0.5C
Cell Type	LiFePO ₄ - Prismatic	
Series/Parallel Configuration	10P416S	12P416S
Nominal Voltage	1331.2V	
Nominal Current	3040 A	1884A
Nominal Energy Capacity	4046kWh	5.01 MWh
Operating Voltage Range	1123.2V - 1497.6V	
Max. Charge Voltage	1497.6V	
Cycle Life (*)	≥6000 cycles	≥9000 cycles
Operational Temperature	-30~50°C	
Functional Properties		
Communication	CAN	
Cooling	Liquid Cooling - Integrated Closed Loop)	
Fire Protection	Aerosol automatic fire protection, water mist	
BMS Protections	UV, OV, OC, UT, OT, SC	
LED Indicators	Alarm, Run, SOC	
Circuit Breaker	Integrated to Master BMS of Each Cluster 1500 V	
EMS	Optional	
Physical Properties		
Protection Level	IP54	
Humidity	0 - %85 RH (non-condensing)	
Altitude	2000m	
Dimension (WxDxH)	6800±15×2550±10×2896mm±10mm	6800×2438×2896 mm
Weight	39000±500kg	~ 45 Ton

(*) Test Conditions: 25°C

Certifications		
Cell	IEC62619, IEC62629, UN62620	UN38.2, IEC62619, IEC62629, UL9540A, UL1973
Pack	IEC62619, UN38.3	IEC62619, UL9540A, UL1973, UN38.3
System	IEC62619, IEC60730, IEC63056, IEC61000, UN38.3	UL9540, UN38.2, UL1973, NFPA855



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